



Progress beyond

Solvay extends its sustainable polymer offering for smart devices and wearables

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Solvay just launched the Kalix® 10000 series, an ideal structural material for precision electronics components used in smart devices, to complement its Kalix® product line. The newest [HPPA-based material](#) is set to take both performance and sustainability to the next level.

The Kalix® 10000 series, a partially bio-based material made with renewable feedstock from non-food competing sources, is produced with 100% renewable electricity. Available with a wide range of recycled content alternatives for diverse customer needs, it also has a lower global warming potential (GWP) than traditional polyamides. Additionally, it offers higher heat resistance, stain resistance, and lowest moisture absorption in the Kalix® families, making it suitable for use in electronic applications with more demanding customer requirements.

“Our Kalix® portfolio has seen high demand, as it delivers the highest elongation and weld line strength of all HPPA, as well as great stiffness and chemical resistance. It also shows low moisture absorption, which makes it an ideal structural material for precision electronics components,” said Andrew Lau, Senior Executive Vice President of Solvay Materials. “The Kalix® 10000 series further strengthens the Kalix® family as it not only exceeds the performance demands of structural and cosmetic frames for smartphones, but it also is a more sustainable solution that meets evolving customer needs.”

The average lifespan of [consumer devices](#), and the parts that go into them, have been rapidly decreasing. Vast amounts of waste will continue to be generated and cause sustainability challenges. Solvay has developed advanced technologies to help manufacturers close the loop between product design and production execution on the factory floor. With a multitude of sustainable materials solutions that address various market needs, the company is working to put our society on a fast track towards more circular solutions.

Kalix® is a registered trademark of Solvay



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About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 21,000 employees in 63 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet roadmap crafted around three pillars: protecting the climate, preserving resources and fostering a better life. The Group's innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world's top three companies for the vast majority of its activities and delivered net sales of €10.1 billion in 2021. Solvay is listed on Euronext Brussels and Paris (SOLB). Learn more at www.solvay.com.